

In the Claims:

1. (withdrawn) A recording and reproducing apparatus for recording/reproducing information into/from a recording medium provided with a first track area where one side wall is wobbled and a second track area where the other side wall at a non-wobbled side in said first track is wobbled, comprising:

a photo-detector, having at least two light receiving sections divided along a track direction, for receiving reflection light from a track by each of said two light receiving sections;

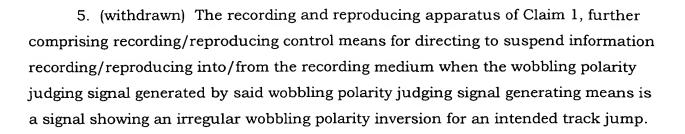
first wobble signal detecting means for detecting a first wobble signal from a difference signal of outputs from the two light receiving sections of said photodetector;

second wobble signal detecting means for detecting a second wobble signal from a sum signal of the outputs from the two light receiving sections of said photodetector; and

wobbling polarity judging signal generating means for generating a wobbling polarity judging signal used in judging a wobbling polarity of a track being tracked by comparing phases of said first and second wobble signals detected.

- 2. (withdrawn) The recording and reproducing apparatus of Claim 1, further comprising track area judging means for judging whether a track area being tracked is a first track area or a second track area based on the wobbling polarity judging signal generated by said wobbling polarity judging signal generating means.
- 3. (withdrawn) The recording and reproducing apparatus of Claim 2, further comprising storage means for storing a correspondence of the wobbling polarity to the track area used as a track judging reference by said track area judging means.
- 4. (withdrawn) The recording and reproducing apparatus of Claim 3, wherein said storage means is a nonvolatile memory.





- 6. (currently amended) A recording medium provided with a first track area where one side wall [[is]] has a land wobbled and a second track area where the other side wall at a non-wobbled side in said first track [[is]] has a land wobbled, further provided with an adjusting area showing a correspondence of a wobbling polarity to a track area.
- 7. (currently amended) The recording medium of Claim 6 or 9, wherein different widths are given to the first track area and second track area in said adjusting area.
- 8. (currently amended) The recording medium of Claim 6 or 9, wherein, in case that the recording medium is a disk, said adjusting area is provided in at least one of innermost and outermost areas of said disk.
- 9. (new) A recording medium provided with a first track area where one side wall has a wobbling groove and a second track area where the other side wall at a non-wobble side in said first track has a wobbling groove, further provided with an adjusting area showing a correspondence of a wobbling polarity to a track area.

